

*Sub B2*  
*Cont*  
*A3*  
a mixer for using said second local oscillator signal so as to convert a transmission base-band signal into a transmission intermediate frequency signal,

wherein said second local oscillator includes:

a plurality of oscillators having different oscillating frequency from each other, and

a switch for selectively supplying the oscillator outputs of said plural oscillators to said mixer,

wherein said switch selects a frequency out of said different frequencies in response to the frequency band of the radio signal used in the communication between the base station and the multi-band radio terminal apparatus.

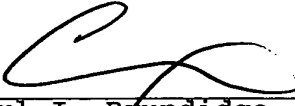
#### REMARKS

Entry of the above amendments prior to examination is respectfully requested.

Please charge any shortage in fees due in connection with the filing of this paper, or credit any overpayment of fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (500.36977CX1).

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

Please amend the specification as follows:

Please replace the paragraph beginning at page 7, line 20 with the following rewritten paragraph:

-- The signal band of this reception intermediate frequency signal is limited to 1.25 MHz by using an RX IF band-pass filter 17, and thereafter the limited reception-IF signal is amplified by an RX variable gain amplifier 18 so as to obtain a necessary signal level thereof in the post-staged circuit. Then, the amplified IF signal is 4-phase-demodulated by an RX second mixer 21 of a base-band analog signal processing circuit 6\_7. Moreover, the frequency band of this reception base-band signal is limited by an RX low-pass filter 24, and then the band-limited reception base-band signal is converted into a reception digital signal by an analog-to-digital converter 25. This digital signal is entered into a CDMA demodulator 26 of a base-band digital signal processing circuit 7 provided at a post stage of the A/D converter 25.--

Please replace the paragraph beginning at page 8, line 25 with the following rewritten paragraph:

-- In a transmission signal system, transmission voice is picked up by a microphone 9, the voice signal is PCM-coded by the codes 52, and then the PCM-coded voice signal is processed by the vocoder 51 by way of the high efficiency speech coding to produce a transmission voice signal. This transmission voice signal and the control signal produced by the controller 54 are processed by the CDMA demodulator modulator 46 by way of the convolution coding, the block interleaving, the 64-order quadrature modulating, and the direct sequence spreading, so that a transmission digital signal. Then, this transmission digital signal is supplied to a TX digital-to-analog converter 45 of a base-band analog signal processing circuit 6 provided at the next stage of the CDMA modulator 46.--

#### IN THE CLAIMS

Please amend claim 7 as follows:

7. (Amended) A multi-band radio terminal apparatus comprising:

a transmitter/receiver for processing radio communication signals of a plurality of communication frequency bands, said radio communication signals being used to communicate with a base station;

a first frequency converter for frequency-converting the frequency bands of said radio communication signals between the communication frequency bands and an intermediate frequency band; and

a second frequency converter for converting said radio communication signals between base-band signals and an intermediate frequency signal; and

a base-band signal processing circuit for handling a conversion between said base-band signals and audio signals,

wherein said first frequency converter includes:

one reception-sided mixer for converting a reception signal within the communication frequency band into another reception signal within the intermediate frequency band,

one transmission-sided mixer for converting a transmission signal within the intermediate frequency band into another transmission signal within the communication frequency band,

a first local oscillator for commonly ~~supplying~~ supplying a local oscillator signal to both said reception-sided mixer and said transmission-sided mixer,

a second local oscillator for producing a second local oscillator signal, and

a mixer for using said second local oscillator signal so as to convert a transmission base-band signal into a transmission intermediate frequency signal,

wherein said second local oscillator includes:

a plurality of oscillators having different oscillating frequency from each other, and

a switch for selectively supplying the oscillator outputs of said plural oscillators to said mixer,

wherein said switch selects a frequency out of said different frequencies in response to the frequency band of the radio signal used in the communication between the base station and the multi-band radio terminal apparatus.